

2664

PATENT DRJ

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

Zeira et al.

**Application No.:** 09/854,728

**Confirmation No.:** 8653

**Filed:** May 14, 2001

For: ASSIGNING PHYSICAL CHANNELS  
OF A NEW USER SERVICE IN A HYBRID  
TIME DIVISION MULTIPLE ACCESS/CODE  
DIVISION MULTIPLE ACCESS  
COMMUNICATION SYSTEM

**Group:** 2664

**Examiner:** Raj K. Jain

**Our File:** I-2-0170.2US

**Date:** February 14, 2005

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the newly cited material on the enclosed PTO-1449 form. Newly cited documents are indicated by an asterisk (\*).

Pursuant to 37 C.F.R. §1.98(a)(2)(ii), copies of the cited U.S. publications and/or patent documents have not been included.


In the spirit of 37 C.F.R. § 1.97(e)(1), the undersigned certifies that each newly cited item of information contained in this Supplemental Information Disclosure

Statement was cited in a communication in a counterpart U.S. application, and that this communication was not received by any individual designated in §1.56(c) more than three (3) months prior to the filing of the information disclosure statement.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

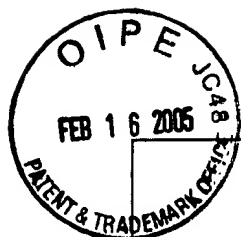
Respectfully submitted,

Zeira et al.

By   
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SJG/ks  
Enclosure



FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)	ATTY. DOCKET NO. I-2-0170.2US	SERIAL NO. 09/854,728
	APPLICANT Zeira et al.	
	FILING DATE May 14, 2001	GROUP 2664

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,260,967	11/1993	Schilling			
		5,481,533	01/1996	Honig et al.			
		5,533,013	07/1996	Leppanen			
		5,844,894	12/1998	Dent			
		5,933,421	08/1999	Alamouti et al.			
		5,963,865	10/1999	Desgagne et al.			
		6,097,700	08/2000	Thornberg et al.			
	*	6,134,230 A	10/2000	Olofsson et al.			
	*	6,240,125 B1	05/2001	Andersson et al.			
	*	6,459,690 B1	10/2002	LeStrat et al.			
		6,519,240	02/2003	Dillinger et al.			
	*	6,631,124 B1	10/2003	Koorapaty et al.			
	*	6,640,105 B1	10/2003	Shin			
		6,697,632	02/2004	Sood			
	*	2004/0018843 A1	01/2004	Cerwall et al.			

## FOREIGN PATENT DOCUMENTS

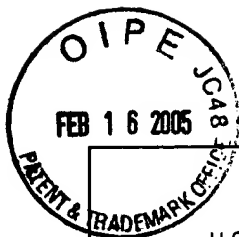
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		TS C104 V2.1.0, China Wireless Telecommunication Standard, pages 1-111, 1999.
		3G TR 25.922, Technical Specification Group Radio Access Network, pages 1-57, 1999.

EXAMINER	DATE CONSIDERED
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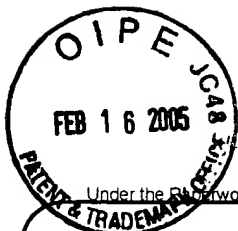
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		APPLICANT Zeira et al.	
		FILING DATE May 14, 2001	GROUP 2664
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
		Anderlind, Resource Allocation in Multi-Service Wireless Access Networks, Thesis, pages 1-148, Royal Institute of Technology, SWEDEN, October 1997.	
		El-Khamy et. al. "Wireless Portable Communication Using Pre-Rake CDMA/TDD/QPSK Systems With Different Combining Techniques And Imperfect Channel Estimation," IEEE, May 1997, pp. 529-533.	
		Povey, TDD-CDMA "Extension to FDD-CDMA Based Third Generation Cellular System", IEEE, August 1997, pp. 813-817.	
		Mihailescu et al., "Dynamic Resource Allocation For Packet Transmission In UMTS TDD TD-CDMA Systems," IEEE, February 1999, pp. 1737-1741.	
		Qingyu et al., "An Analysis of the Interference in the TDD-CDMA System," IEEE, August 2000, pp. I-333-I-337.	
		Haas, et al. "A Novel Channel Assignment Approach in TDMA/CDMA-TDD Systems," IEEE, January 2001, pp. E-142-E-146.	
		Zhang et al., "A Dynamic Channel Allocation Algorithm in TDD Mode CDMA Systems," IEEE, August 2001, pp. 385-388.	

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



PTO/SB/21 (04-04)

Approved for use through 07/31/2006. OMB 0651-0031

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Application Number	09/854,728
Filing Date	May 14, 2001
First Named Inventor	Zeira et al.
Art Unit	2664
Examiner Name	Raj K. Jain
Attorney Docket Number	I-2-0170.2US

Total Number of Pages in This Submission

**ENCLOSURES** (Check all that apply)

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Supplemental Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Response to Missing Parts/Incomplete Application<br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br><input type="checkbox"/> Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance communication to Technology Center (TC)<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below):<br><b>Form PTO-1449</b> |
|---|--|---|

Remarks

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Steven J. Gelman	Reg. No. 41,034
	Volpe and Koenig, P.C.	
Signature		
Date	February 14, 2005	

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Steven J. Gelman		
Signature		Date	February 14, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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